This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1-43 (canceled)

Claim 44 (original): A method of transmitting data between a first device and a second device, comprising the steps of:

providing a plurality of N separate antennas, said plurality including at least a first antenna and a second antenna, N being a positive integer greater than one;

operating the first device to transmit from the first antenna, a first signal including said data the first signal having a carrier frequency, fc, a broadcast region from the first antenna including the second device;

operating the first device to transmit from the second antenna, a second signal including said data the second signal having the same carrier frequency, fc, as the first signal, a broadcast region from the second antenna including the second device, at least one of a phase and an amplitude of the second signal varying over time relative to the first signal.

Claim 45 (original): The method of claim 44, wherein the phase of the second signal varies over time relative to the phase of the first signal, the method further comprising the step of:

introducing a variation into the phase of the second signal as a function of time prior to operating the second antenna to transmit the second signal.

Claim 46 (original): The method of claim 45, further comprising the step of:

controlling the rate at which data is transmitted as part of the first signal as a function of transmission channel quality information.

Claim 47 (original): The method of claim 45, wherein the first device is a base station and the second device is a mobile station.

Claim 48 (original): The method of claim 45, wherein the first device is a mobile station and the second device is a base station.

Claim 49 (original): A method of transmitting data between a first device and a second device, comprising the steps of:

providing a plurality of N separate antennas, said plurality including at least a first antenna and a second antenna, N being a positive integer greater than one;

operating the first device to transmit from the first antenna, a first signal including said data the first signal having a center frequency, a broadcast region from the first antenna including the second device;

operating the first device to transmit from the second antenna, a second signal including said data the second signal having the same center frequency as the first signal, a broadcast region from the second antenna

including the second device, at least one of a phase and an amplitude of the second signal varying over time relative to the first signal.

Claim 50 (original): The method of claim 49, further comprising the steps of:

introducing a variation into the phase of the second signal as a function of time prior to operating the second antenna to transmit the second signal; and

controlling the rate at which data is transmitted as part of the first signal as a function of transmission channel quality information.

Claim 51 (original): A communications apparatus, comprising:

a source of data;

a transmitter circuit coupled to the source of data for generating a plurality of data signals each data signal including the same data, the plurality of data signals including a first data signal and a second data signal the first and second data signals differing from one another as a function of time by at least one of a phase and an amplitude; and

a plurality of antennas coupled to said transmitter circuit to receive and transmit said data signals in parallel, each antenna receiving and transmitting one of said data signals.

Claim 52 (original): The apparatus of claim 51,

wherein the transmitter circuit includes means for independently varying the phase of at least one of the first and second data signals as a function of time.

Claim 53 (original): The apparatus of claim 52, further comprising:

a receiver for receiving communications channel condition information; and

means for determining the rate at which data should be transmitted in said first and second data signals as a function of the communications channel information.

Claim 54 (original): The apparatus of claim 52, further comprising:

a receiver for receiving communications channel condition information from a plurality of mobile stations regarding the condition of a communications channel associated with individual ones of said plurality of mobile stations; and

means for scheduling transmission of data to individual mobile stations as a function of the received communications channel condition information.

Claim 55 (original): The apparatus of claim 54,

wherein the means for scheduling includes a scheduling routine which gives preferential treatment to the scheduling of data transmissions to mobile stations with good communications channels as compared to mobile stations with poorer communications channels.

Claim 56 (original): The apparatus of claim 55, further comprising:

means for determining the rate at which data should be transmitted in said first and second data signals as a function of the communications channel information.

Claim 57 (original): The apparatus of claim 54,

wherein the first and second data signals have the same center frequency, fc and a wavelength W at the center frequency; and

wherein the first and second antennas are spaced at least one half the distance of the wavelength W from each other.

Claim 58 (original): The apparatus of claim 54,

wherein the first and second data signals have the same carrier frequency, fc and a wavelength W at the carrier frequency; and

wherein the first and second antennas are spaced at least one half the distance of the wavelength W from each other.

Claim 59 (original): The apparatus of claim 51,

wherein the first and second data signals have the same center frequency, fc and a wavelenth W at the center frequency; and

wherein the first and second antennas are spaced at least one half the distance of the wavelenth W from each other.

Claim 60 (original): The apparatus of claim 51,

wherein the first and second data signals have the same carrier frequency, fc and a wavelenth W at the carrier frequency; and

wherein the first and second antennas are spaced at least one half the distance of the wavelenth W from each other.

Claim 61 (original): The apparatus of claim 51, further comprising:

means for using a fixed amount of power to transmit the combination of the first and second data signals over time.

Claim 62 (original): The apparatus of claim 61, further comprising:

means for varying the relative amplitudes of the first and second data signals as a function of time while maintaining the combined average transmitted power of the first and second data signals at an almost constant value over the period in time during which the relative amplitudes of the first and second data signals are varied.

Claim 63 (original): A communications system, comprising:

a mobile station; and

a base station, the base station including:

i. a receiver for receiving communications channel condition

information regarding the condition of a first communications channel existing between the first device; and

ii. means for determining the rate at which data is transmitted to said mobile station as a function of the channel condition information.

Claim 64 (original): The communications system of claim 63, further comprising:

a plurality of additional mobile stations, the base station receiver receiving additional communications channel condition information regarding the condition of additional communications channels existing between the base station and said additional mobile stations.

Claim 65 (original): The communication system of claim 64, further comprising:

means for determining the order in which the base station is to transmit data to different mobile stations as a function of said communication channel condition information and said additional communications channel condition information.

Claim 66 (original): The communication system of claim 65, wherein the base station further includes:

at least a first and second antenna for broadcasting first and second signals including the same data to one of said mobile stations, the first and second signals having different phases.

Claim 67 (original): The communication system of claim 65, wherein the base station further includes:

at least a first and second antenna for broadcasting first and second signals including the same data to one of said mobile stations the first and second signals having different amplitudes.

Claim 68 (original): The communication system of claim 65, wherein the base station further includes:

means for introducing signal variations into signals transmitted to the mobile stations so that the mobile stations will detect fluctuations in received signal power.

Claim 69 (original): The communication system of claim 68, wherein said means for introducing signal variations into signals includes a plurality of antennas for transmitting the same data in parallel.

Claim 70 (original): A mobile communications device, comprising:

a portable housing;

transmitter circuitry, mounted in said portable housing, for generating a plurality of signals including the same data content but having phases which vary relative to each other over time; and

a plurality of antennas attached to said housing, said antennas being coupled to said transmitter circuitry, each antenna being used to transmit a

different one of said plurality of signals including the same data content.

Claim 71 (original): The device of claim 70, further comprising:

receiver circuitry for receiving a signal from a base station; and

means for generating communications channel condition information from the signal received from the base station.